

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-13. (Canceled)

14. (Currently Amended) A probe, comprising:

an outer member defining a distal end and including a wall defining an interior bore;

an elongate body carried within the outer member interior bore and defining a proximal region, a distal region and a distal end operably connected to the distal end of the outer member, the elongate body including an internal fluid lumen extending from the proximal region to the distal region, and the distal region of the elongate body including a hinge portion located proximal of the distal end of the elongate body; and

an inflatable tissue coagulation body supported on the elongate body distal region and operably connected to the internal fluid lumen.

15. (Original) A probe as claimed in claim 14, wherein the inflatable tissue coagulation body is proximal to the hinge portion.

16. (Original) A probe as claimed in claim 14, further comprising:

at least one sensing element;

wherein the inflatable tissue coagulation body is located one of distal to and proximal to the hinge portion and the at least one sensing element is located the other of distal to and proximal to the hinge portion.

17. (Currently Amended) A probe ~~, comprising: as claimed in claim 14,~~
wherein the inflatable tissue coagulation body comprises a half-balloon tissue
coagulation structure.

~~an outer member defining a distal end and including a wall defining an~~
~~interior bore;~~

~~an elongate body carried within the outer member interior bore and~~
~~including a distal region defining a longitudinal axis and a distal end operably connected~~
~~to the distal end of the outer member; and~~

~~a half-balloon tissue coagulation structure supported on the elongate body~~
~~distal region and defining a shape that is asymmetric about the longitudinal axis of the~~
~~elongate body distal region in a plane perpendicular to the longitudinal axis of the~~
~~elongate body distal region.~~

18-20. (Canceled)

21. (Currently Amended) A probe for use with an outer member including a
wall defining an interior bore, the probe comprising:

a tissue coagulation body; and

an ~~elongate body~~ elongate catheter tube, defining a distal region that
supports the tissue coagulation body and a distal end, adapted to be carried within the
outer member interior bore and extend outwardly from the interior bore such that the
distal region forms a loop, the ~~elongate body~~ elongate catheter tube including a hinge
~~portion located proximal of the distal end and~~ defining the apex of the loop formed by
the distal region, the hinge ~~portion~~ having a flexibility that is greater in a bending
direction than the flexibility of the portions of the ~~elongate body~~ elongate catheter tube
that are immediately proximal and distal thereto and that allows the apex of the loop to
be inserted into a pulmonary vein to such an extent that the tissue coagulation body will
be substantially aligned with the pulmonary vein ostium.

22. (Currently Amended) A probe as claimed in claim 21, wherein the ~~elongate body~~ elongate catheter tube defines a ~~distal end~~ an exterior and a proximal region, the probe further comprising:

a control element defining a distal portion ~~associated with~~ that extends from the distal end of the ~~elongate body~~ elongate catheter tube and a proximal portion extending along the exterior of the ~~elongate body~~ elongate catheter tube toward the proximal region of the ~~elongate body~~ elongate catheter tube.

23. (Currently Amended) A probe as claimed in claim 21, wherein the loop defines a length and a height and the flexibility of the hinge ~~portion~~ is such that the loop length will be at least two times the loop height.

24. (Canceled)

25. (Currently Amended) A probe as claimed in claim 21, wherein at least the distal region of the ~~elongate body~~ elongate catheter tube includes a flexible spline and the hinge ~~portion~~ is formed in the flexible spline.

26. (Currently Amended) A probe as claimed in claim 21, further comprising:
at least one sensing ~~element~~ electrode;
wherein the tissue coagulation body is located on one side of the hinge ~~portion~~ and the at least one sensing ~~element~~ electrode is located the other side of the hinge ~~portion~~.

27. (Original) A probe as claimed in claim 21, wherein the tissue coagulation body comprises an inflatable tissue coagulation body.

28. (Original) A probe as claimed in claim 27, wherein the inflatable tissue coagulation body comprises a half-balloon structure.

29. (Original) A probe as claimed in claim 27, wherein the inflatable tissue coagulation body includes micropores.

30. (Original) A probe as claimed in claim 27, wherein the inflatable tissue coagulation body comprises a heated structure.

31-37. (Canceled)

38. (Previously Presented) A probe as claimed in claim 14, wherein the wherein the elongate body comprises a catheter body and the outer member comprises a sheath.

39. (Previously Presented) A probe as claimed in claim 17, wherein the wherein the elongate body comprises a catheter body and the outer member comprises a sheath.

40-44. (Canceled)

45. (Previously Presented) A probe as claimed in claim 14, wherein the hinge portion has a flexibility that is greater in a bending direction than the flexibility of the portions of the elongate body that are immediately proximal and distal thereto.

46. (Previously Presented) A probe as claimed in claim 17, wherein the hinge portion has a flexibility that is greater in a bending direction than the flexibility of the portions of the elongate body that are immediately proximal and distal thereto.